## WeatherExpert<sup>™</sup> 75–150 Ton Single-Package Rooftop Units





### Performance, Innovation, Reliability.

Carrier's new WeatherExpert™ commercial packaged rooftop, with capacity of 75 to 150 tons, is an all new from the ground-up design built to provide low cost of ownership. The flexible design of this new unit makes it suitable for a wide range of applications and contributes to low installation, maintenance, and energy costs.

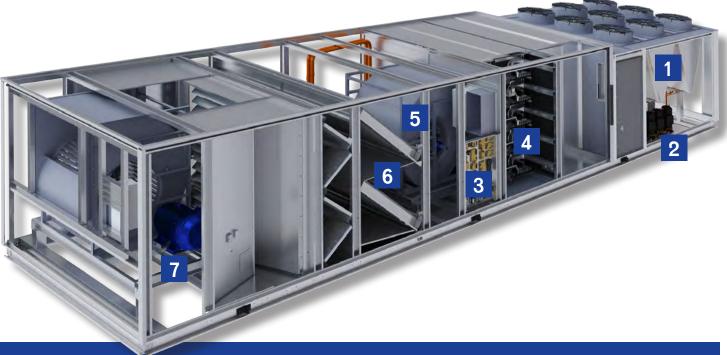
These new 75 to 150 ton WeatherExpert models have what is required for today's and tomorrow's market needs. During the development process, Carrier team members included many of the industry's best installers, engineers, owners, contractors and architects. As a result, these new units perform, are innovative, and are reliable.

#### **Features**

- · Puron® Refrigerant (R-410A)
- IEERs up to 13.5
- · Gas Heat and Electric Heat Models
- · Standard and High Capacity/Efficiency Models\*
- · Constant Volume, SAV™ (Staged Air Volume) and Variable Air Volume
- · Vertical, Horizontal and Mixed Air Configurations
- · Double Wall Foam Panels

<sup>\*</sup> Available on all models except 150 ton.





#### 48/50N

- Novation® Heat Exchanger with Microchannel
  Coil Technology
- 2 Multi-Staged Scroll Compressors or Digital Scroll Compressor Option
- 3 Multi-Protocol Communication Capabilities
  - Integrated ComfortLink Controls:
  - Auto Component Testing
  - Carrier Navigator Interface
  - Prognostics and Diagnostics
  - Factory Reset
- 4 Gas Heat:
  - 5 Size Ranges of Gas Heat up to 2.5 MBtuh
  - Multi-Staged or Modulating Control
  - Modulating Turndown up to 18:1
  - Electric Heat:
  - -5 Size Ranges of Electric Heat up to to 300 KW
  - Multi Staged or SCR Control Option
  - Hudronic Heat:
  - -8 Size Ranges of Hydronic Heat up to 2.7 MBtuh
  - Hot Water or Steam Options

- 5 High Static Airfoil Supply Air Fan
  - VFD Control with Soft Start Capability
  - •2" Spring Vibration Isolation
- 6 Electronic Expansion Valve (EXV) Controlled
  - ASHRAE 62.1 Compliant Stainless Steel Condensate Pan
  - Patented Humidi-MiZer® Dehumidification System Option
  - Enhanced Intertwined Coil Design
- Ultra Low Leak Economizer per AMCA standard 500
  - Cfm Measurement Option
  - Power Exhaust Option:
  - Forward Curve
  - Modulating Control with VFD
  - High Static Option
  - Return Fan:
  - Air Foil Plenum
  - Modulating Control with VFD
  - High Static Option

# Full Line of Factory-Installed Options and Field-Installed Accessories:

VFD Bypass 65 kA SCCR Belt Guard TEFC Motors High Static Fan Agion® Interior Airflow Sensors Return Fan Flue Extension Humidity Control **UV-C Lamps** Service Valves Phase / Voltage Monitor Hot Gas Bypass Corrosion Protection **Building Pressure Control** Energy Recovery Low Outdoor Sound Low Ambient Control Full Stages at 125°F Extended Lube Lines Discharge Plenum Marine Lights Heat Reclaim Filtration Options Economizer Field Use Control Box Non-Fused Disconnect Convenience Outlet Security Grille

To help contribute to LEED certification, these new units are high efficiency, use Carrier's Novation Heat Exchanger with microchannel condensers and low volume of Puron Refrigerant (R-410A).



#### 1-800-CARRIER www.carrier.com

Replaceable Core Driers